

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	("7109981").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 12:52
S2	2	("20040201580").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 12:53
S3	2	("20040257350").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 13:06
S4	2	("6571224").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 14:09
S5	2	("5347382").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 14:13
S6	22	((("4,373,784") or ("4,662,746") or ("4,811,003") or ("4,956,619") or ("5,061,049") or ("5,083,857") or ("5,146,356") or ("5,317,409") or ("5,490,009") or ("5,557,353") or ("5,689,283"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 14:58
S7	2	("6384816").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 14:16
S8	2	("20050225570").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 15:07

## EAST Search History

S9	4	((("6825835") or ("5742274"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 15:18
S10	2	("7030894").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 15:26
S11	2	("20040027363").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 15:45
S12	2	("20050225570").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 15:59
S13	2857	(345/204).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 16:00
S14	0	(345/132).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 16:00
S15	777	(345/213).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 16:00
S16	0	(350/4).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 16:00

## EAST Search History

S17	0	(350/310).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 16:00
S18	0	(350/355).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 16:00
S19	0	(350/291).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 16:00
S20	396	(359/279).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 16:01
S21	124	(348/790).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 16:01
S22	124	(348/790).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 16:01
S23	198	(348/739).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 16:01
S24	100	(348/761).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 16:02

## EAST Search History

S25	2	("0538253").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 16:03
S26	2	("5386253").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 16:09
S27	2	("7109981").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 16:23
S28	2	("6825835").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/27 14:54
S29	2	("20030063190").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 16:28
S30	2857	(345/204).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 16:28
S31	770	((345/598) or (345/660)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 16:28
S32	211	(345/667).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 16:28

## EAST Search History

S33	108	(348/129).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 16:28
S34	0	(348/222).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 16:29
S35	377	(348/581).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 16:29
S36	515	(348/584).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 16:29
S37	612	(382/151).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/21 16:31
S38	15352	image adj generating	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 16:31
S39	1356	first adj (sub-fram\$3 or subfram\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 16:33
S40	1173	second adj (sub-fram\$3 or subfram\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 16:33

## EAST Search History

S41	164	S39 near S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 16:33
S42	2937419	cente\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 16:34
S43	6967	S42 adj pixel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 16:35
S44	4	S42 near S41	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 16:36
S45	63	(sub-frame\$3 or subfram\$4) and cente\$3 near pixel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 09:20
S46	0	S45 and (first and sencond)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 09:20
S47	1086	spatial\$4 near offset	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 09:21
S48	8	S45 and S47	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 09:34

## EAST Search History

S49	3	"7109981"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 13:18
S50	2	("6121725").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/26 09:44
S51	21704	alternat\$5 near displa\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 09:45
S52	54	S47 and S51	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 10:03
S53	2	("6384816").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/26 10:16
S54	0	("wobb\$05").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/26 10:17
S55	46555	wobb\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 13:11
S56	18	S55 near pixel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 12:54

## EAST Search History

S57	2	("20060044278").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/26 13:05
S58	0	("centeradaptive").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/26 13:05
S59	42	"center adaptive"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 13:06
S60	0	S59 near multi\$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 13:06
S61	18	S55 near pixel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 13:12
S62	2	("0000345").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/26 13:12
S63	80967	("345").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/26 13:12
S64	0	("l11andl19").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/26 13:13



## EAST Search History

S65	241	S55 and S63	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 13:13
S66	0	S65 and S45	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 13:13
S67	0	S65 and S59	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 13:13
S68	3263613	imag\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 13:18
S69	12575	convolv\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 13:18
S70	26912	(sub-fram\$3 or subfram\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 13:19
S71	127538	interpolat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 13:22
S72	6276	S68 and S69	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 13:23

## EAST Search History

S73	81	S72 and S70	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 13:23
S74	48	S73 and S71	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 15:09
S75	22	((("4,662,746") or ("4,956,619") or ("5,061,049") or ("5,083,857") or ("5,490,009") or ("5,689,283") or ("5,842,762") or ("5,897,191") or ("5,978,518") or ("6,025,951") or ("6,104,375"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/26 15:18
S76	2	("20030063190").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/26 15:28
S77	2	("6825835").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/26 15:31
S78	10	((("5537256") or ("5572341") or ("5715029") or ("6195125") or ("6219017") or ("6243055"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/26 16:26
S79	735	(345/660).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/26 16:27
S80	2	S79 and center\$3 and S45	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 16:28

## EAST Search History

S81	6	S79 and (sub-frame or subframe)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 16:30
S82	12	S79 and (pixel near shifting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/26 16:37
S83	20	S79 and (pixel near shift\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 08:51
S84	2	("20030020809").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/27 13:19
S85	2683835	third sub-frame	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 13:19
S86	202	third adj sub-frame	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 13:20
S87	17	(third adj sub-frame) near pixel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 13:20
S88	4567	"error image"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 14:54

## EAST Search History

S89	1	"error image" near (sub-frame or subframe)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 14:55
S90	57	"error image" near pixel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 15:00
S91	3	convolv\$4 near (sub-frame or subframe)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 15:25
S92	10705	SLM	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 15:25
S93	10705	"SLM"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 15:25
S94	3233	"SLM" near "spatial light modulator"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 15:28
S95	0	S94 near convolv\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 15:29
S96	2	S94 with convolv\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 15:35

## EAST Search History

S97	2	("5061049").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/27 15:48
S98	2	("6384816").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/27 15:48
S99	98	convolv\$4 and sub-frame	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/28 09:57
S10 0	12557	convolv\$4 anearsub-frame	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/28 09:57
S10 1	3	convolv\$4 near sub-frame	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/28 10:02
S10 2	3	convolv\$7 near sub-frame	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/28 10:03
S10 3	0	convolv\$7 near subframe	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/28 10:03
S10 4	227	convolv\$7 near pixel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/28 10:03

## EAST Search History

S10 5	81100	("345").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/28 10:03
S10 6	0	("l6andl7").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/28 10:03
S10 7	40	S104 and S105	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/28 10:13
S10 8	0	S104 near S105	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/28 10:04
S10 9	0	S104 with S105	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/28 10:04
S11 0	21	S107 and shift\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/28 10:13
S11 1	0	S107 and upsamp\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/28 10:14
S11 2	195	upsamp\$6 and shift\$4 and pixel and convol\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/28 10:15

## EAST Search History

S11 3	15	upsampl\$6 near shift\$4 and pixel and convol\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/28 13:19
S11 4	2	("20040207616").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/28 16:29
S11 5	0	(2003/0063190).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/28 16:29
S11 6	2	("20030063190").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/03 09:00
S11 7	2	("20030063190").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/03 09:58
S11 8	2	("20030020809").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/03 10:55
S11 9	2	("6650704").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/03 10:56
S12 0	2	("6650704").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/04 16:18

## EAST Search History

S12 1	280887	error and image	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 16:18
S12 2	39936	convol\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 16:19
S12 3	4124	S122 and S121	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 16:19
S12 4	2287	convolve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 16:20
S12 5	1251	"error filter"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 16:21
S12 6	86	S125 and S122	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 16:21
S12 7	7006	error near image	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 16:22
S12 8	39	S127 and S125	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 16:25



## EAST Search History

S12 9	0	S128 and S124	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 16:25
S13 0	21	S124 and S127	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 17:48
S13 1	2	("20030063190").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 11:15
S13 2	2	("6650704").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 14:32
S13 3	2	("20030020809").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 15:35
S13 4	8	((("6600514") or ("5742274") or ("5729245") or ("20040207592"))). PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 15:45
S13 5	2	("5581484").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/08 08:35
S13 6	22	((("4,373,784") or ("4,662,746") or ("4,811,003") or ("4,956,619") or ("5,061,049") or ("5,083,857") or ("5,146,356") or ("5,317,409") or ("5,490,009") or ("5,557,353") or ("5,689,283"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/08 08:49

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S13 7	4	((("5,386,253") or ("6,657,603"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/08 09:03
S13 8	4	((("5.719,594") or ("6,340,994") or ("4,442,454"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/08 09:06
S13 9	14	((("5,530,482") or ("5,729,245") or ("5,742,274") or ("5,757,355") or ("6,825,835") or ("20030011614") or ("20030133060"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/08 09:19
S14 0	22	((("5,912,773") or ("5,920,365") or ("5,953,148") or ("5,978,518") or ("6,025,951") or ("6,067,143") or ("6,104,375") or ("6,118,584") or ("6,141,039") or ("6,184,969") or ("6,219,017"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/08 09:26
S14 1	18	((("6,239,783") or ("6,243,055") or ("6,313,888") or ("6,384,816") or ("6,393,145") or ("6,522,356") or ("20030020809") or ("20030076325") or ("20030090597"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/08 09:47
S14 2	2	("6,125,480").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/08 11:30
S14 3	2	("6650704").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/08 13:20
S14 4	2	("20040201580").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/08 13:20

## EAST Search History

S14 5	2	("20050225571").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/14 14:16
S14 6	2	("20030020809").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/14 15:53
S14 7	62	centered near3 subframes	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 14:18
S14 8	784	345/660.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 15:54
S14 9	0	S147 and S148	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 14:18
S15 0	530	center near4 sub\$frame	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 14:19
S15 2	2	S148 and S150	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 14:19
S15 3	0	partially near1 offset near1 sub\$frame	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 15:53

## EAST Search History

S15 4	8	345/660.ccls. and sub\$frame	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 15:54
S15 5	31	("20020075202"   "20030016292"   "20030020809"   "20030063190"   "20030090597"   "20040207592"   "4662746"   "4956619"   "5061049"   "5083857"   "5386253"   "5490009"   "5689283"   "5729245"   "5742274"   "5842762"   "5897191"   "5978518"   "6025951"   "6104375"   "6141039"   "6184969"   "6219017"   "6239783"   "6243055"   "6313888"   "6384816"   "6393145"   "6600514"   "6657603"   "6825835").PN. OR. ("7109981").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/14 15:54
S15 6	14	((("5530482") or ("5729245") or ("5742274") or ("5757355") or ("6825835") or ("20030011614") or ("20030133060")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 10:05
S15 7	2	("20030020809").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 10:06
S15 8	8	((("20030020809") or ("5719495") or ("6340994") or ("4442454")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 10:08
S15 9	2	("5386253").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 10:09
S16 0	2	("6657603").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 10:10

## EAST Search History

S16 1	14	((("4373784") or ("4662746") or ("4959619") or ("5083857") or ("5146356") or ("5490009") or ("5689283"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/06 10:10
S16 2	2	("6650704").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/07 20:53
S16 3	3	("2002075202").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/07 20:54
S16 4	3	("2002075202").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/07 20:55
S16 5	36	((("5912773") or ("5920365") or ("5978518") or ("6025951") or ("6087143") or ("6104375") or ("6118584") or ("6141039") or ("6184969") or ("6219017") or ("4442454") or ("5530482") or ("5729245") or ("5742274") or ("5757355") or ("6825835") or ("20030011614") or ("20030133060"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/07 21:11
S16 6	2	("6650704").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/07 21:31
S16 7	0	(2003/0090597).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/07 21:31

## EAST Search History

S16 8	2	("20030090597").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/07 21:32
S16 9	2	("6304245").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/08 10:50
S17 0	172	convolv\$4 and sub\$frame	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 10:50
S17 1	42	convolv\$4 and sub\$frame and (fourth near1 sub\$frame)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 11:38
S17 2	2	"20050057446"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 11:38
S17 3	995	controller and (wall near1 charge) and plasma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 11:44
S17 4	408	controller and (wall near1 charge) and plasma and 345/60.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 11:45
S17 5	178	controller and (wall near1 charge) and plasma and 345/60.ccls. and erasing and discharge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 11:46

## EAST Search History

S17 6	178	controller and (wall near1 charge) and plasma and 345/60.ccls. and erasing and discharge and electrode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 11:46
S17 7	9	2003/0020809	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 16:29
S17 8	2	("20030020809").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/08 16:29